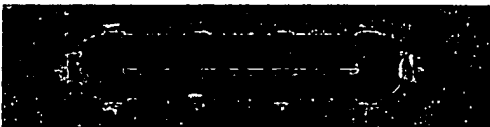


18032
42
46
Class
Subclass
ISSUE CLASSIFICATION



5674452

UTILITY SERIAL NUMBER 08/548048
PATENT DATE OCT 07 1997
PATENT NUMBER
SERIAL NUMBER 08/548,048
FILING DATE 10/25/95
CLASS 422
SUBCLASS 46
GROUP ART 1312
5674452

APPLICANTS GARY A. CARSON, GOLDEN, CO; ROBERT E. DOTY, LAKEWOOD, CO; MICHAEL R. HOGlund, THORNTON, CA; JAMES D. ISAACSON, SANDY, UT.

CONTINUING DATA***
VERIFIED THIS APPLN IS A DIV OF 08/261,308 06/16/94 PAT 5,489,413
WHICH IS A CON OF 08/050,641 04/22/93, *abandoned*
WHICH IS A CIP OF 07/970,781 11/03/92 PAT 5,470,531

FOREIGN/PCT APPLICATIONS***
VERIFIED
None, US

CERTIFICATE

DEC 09 1997

OF CORRECTION

FOREIGN FILING LICENSE GRANTED 12/28/95

Foreign priority claimed 35 USC 119 conditions met ☐ yes ☒ no
Verified and Acknowledged ☐ yes ☒ no
AS FILED
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SHEETS DRWGS. 8
TOTAL CLAIMS 1
INDEP. CLAIMS 1
FILING FEE RECEIVED \$750.00
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ADDRESS FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER
1300 I STREET NW
WASHINGTON DC 20005-3315

TITLE EXCHANGERS AND EFFICIENT METHODS OF MANUFACTURING
HOLLOW FIBER BLOOD-OXYGENATOR
THEM

U.S. DEPT. OF COMM./PAT. & TM—PTO-436L (Rev.12-94)

PARTS OF APPLICATION FILED SEPARATELY
NOTICE OF ALLOWANCE MAILED
ISSUE FEE
Amount Due \$1,290.00
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Label Area
Assistant Examiner
DRAWING
Sheets Drwg. 8
Figs. Drwg. 9
Print Fig. 3
ISSUE BATCH NUMBER K53
PREPARED FOR ISSUE
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Form PTO-436A
(Rev. 8/92)



(FACE)

PATENT NUMBER

ORIGINAL CLASSIFICATION

CLASS

SUBCLASS

422

46

APPLICATION SERIAL NUMBER

08/548,048

CROSS REFERENCE(S)

CLASS

SUBCLASS
(ONE SUBCLASS PER BLOCK)

422

48

210

321.76

321.24

645

604

4

APPLICANT'S NAME (PLEASE PRINT)

Carson et al

IF REISSUE ORIGINAL PATENT NUMBER

INTERNATIONAL CLASSIFICATION

A 6 1 M

1 / 14

A 6 1 M

1 / 34

GROUP
ART UNIT

ASSISTANT EXAMINER (PLEASE STAMP OR PRINT FULL NAME)

1312

PRIMARY EXAMINER (PLEASE STAMP OR PRINT FULL NAME)

N. Ghat

PTO 270
(REV. 5-91)

ISSUE CLASSIFICATION SLIP

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE